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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37C.F.R. §1.53(b))

PC10315AGPR

Mark D. Fidock

Enzyme PDE xiv

EJ248205689US

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

*See MPEP chapter 600 concerning utility patent application contents.*

1. ☒ \*Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total Pages 99]  
(preferred arrangement set forth below)
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference in Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 11.3) [Total sheets 9]
4. ☒ Oath or Declaration [Total pages 2]
- a. ☒ Newly executed (original)
- b. ☐ Copy from a prior application (37 CFR §1.63(d))  
(for continuation/divisional with Box 17 completed)  
**[Note Box 5 below]**
- i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (*Appendix*)
7. Nucleotide and/or Amino Acid Sequence Submission  
(*if applicable, all necessary*)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☒ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. ☐ \*Small Entity ☐ Statement filed in prior application,  
Statement(s) Status still proper and desired  
(PTO/SB/09-12)
15. ☒ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other:

**\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).**

17. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment:  
☐ Continuation      ☐ Divisional      ☐ Continuation-in-part (CIP)      of prior application No: \_\_\_\_\_ / \_\_\_\_\_  
 Prior application information:      Examiner:      Group/Art Unit:

## 18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label **(Insert Customer No. or Attach bar code label here)** or ☒ Correspondence address below

<b>Name</b>	Gregg C. Benson
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<b>Address</b>	PFIZER INC
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NAME (Print/type)

Gregory P. Raymer

Registration No. (Attorney/Agent)

36,647

**Signature**

Date 12/22/99

Express Mail No. EJ248205689US

# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.  
These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

<b>Total Amount of Payment</b>	(\$620.00)	<b>Application Number</b>	To be assigned.
		<b>Filing Date</b>	Filed herewith.
		<b>First Named Inventor</b>	Mark D. Fidock
		<b>Examiner Name</b>	To be assigned.
		<b>Group/Art Unit</b>	To be assigned.
		<b>Attorney Docket No.</b>	PC10315AGPR

## METHOD OF PAYMENT (check one)

1. ☒ The commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number

Deposit Account Name

- ☒ Charge Any Additional 37 Fee Required Under C.F.R. §§ 1.1.6 and 1.17. ☐ Charge the Issue Fee Set in 37 C.F.R. § 1.1.8 at the Mailing of the Notice of Allowance.

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	760	201	380	Utility filing fee	<input type="text"/>
106	310	206	155	Design filing fee	<input type="text"/>
107	480	207	240	Plant filing fee	<input type="text"/>
108	760	208	380	Reissue filing fee	<input type="text"/>
114	150	214	75	Provisional filing fee	<input type="text"/>

**SUBTOTAL (1)**

(\$)

### 2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims	<input type="text" value="24"/> - 20** = <input type="text" value="4"/>	<input type="text" value="18"/>	<input type="text" value="72.00"/>
Independent Claims	<input type="text" value="9"/> - 3** = <input type="text" value="6"/>	<input type="text" value="78"/>	<input type="text" value="468.00"/>
Multiple Dependent		<input type="text" value="260"/>	<input type="text" value="0"/>

\*\* or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim, if not paid
109	78	209	39	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$)

540.00

## FEE CALCULATION (continued)

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late fee or oath	<input type="text"/>
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	<input type="text"/>
139	130	139	130	Non-English specification	<input type="text"/>
147	2,520	147	2,520	For filing a request for reexamination	<input type="text"/>
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	<input type="text"/>
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	<input type="text"/>
115	110	215	55	Extension for reply within first month	<input type="text"/>
116	380	216	190	Extension for reply within second month	<input type="text"/>
117	870	217	435	Extension for reply within third month	<input type="text"/>
118	1,360	218	680	Extension for reply within fourth month	<input type="text"/>
128	1,850	228	925	Extension for reply within fifth month	<input type="text"/>
119	300	219	150	Notice of Appeal	<input type="text"/>
120	300	220	150	Filing a brief in support of an appeal	<input type="text"/>
121	260	221	130	Request for oral hearing	<input type="text"/>
138	1,510	138	1,510	Petition to institute a public use proceeding	<input type="text"/>
140	110	240	55	Petition to revive - unavoidable	<input type="text"/>
141	1,210	241	605	Petition to revive - unintentional	<input type="text"/>
142	1,210	242	605	Utility issue fee (or reissue)	<input type="text"/>
143	430	243	215	Design issue fee	<input type="text"/>
144	580	244	290	Plant issue fee	<input type="text"/>
122	130	122	130	Petitions to the Commissioner	<input type="text"/>
123	50	123	50	Petitions related to provisional applications	<input type="text"/>
126	240	126	240	Submission of Information Disclosure Statement	<input type="text"/>
581	40	581	40	Recording each patent assignment per property (times number of properties)	<input type="text" value="80.00"/>
146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))	<input type="text"/>
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))	<input type="text"/>
Other Fee (specify)				<input type="text"/>	<input type="text"/>
Other Fee (specify)				<input type="text"/>	<input type="text"/>

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$)

80.00

## SUBMITTED BY

Type or Printed Name	Gregory P. Raymer	Complete (if Applicable)	
Signature		Reg. Number	36,647
Date	12/22/99	Deposit Account User ID	16-1445